Index of Claims

| App   | lication | /Contro | No. |
|-------|----------|---------|-----|
| ' 'PP |          |         |     |

09/886,824

Examiner

George Davis

Applicant(s)/Patent under Reexamination

VELIUS, GEORGE ALFRED
Art Unit

2129

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim      | Γ                 |          |                |  | Date     | е        |              |                         |        |   | Cla          | im       |                 |          |                    | Da      | e        |                   |          | 7::::[ | Cla     | aim        |          |                     |          | С        | ate      | )        |          |          |   |
|--|----------|-------------------|----------|----------------|--|----------|----------|--------------|-------------------------|--------|---|--------------|----------|-----------------|----------|--------------------|---------|----------|-------------------|----------|--------|---------|------------|----------|---------------------|----------|----------|----------|----------|----------|----------|---|
|  |          | <u>"</u>          |          |                |  |          |          |              |                         |        |   |              | -        |                 |          |                    |         |          |                   |          | 7      |         | ᇤ          |          |                     |          |          |          |          |          |          |   |
| Final  | Original | 3/30/06           | l        |                | ł  |          |          |              |                         |        |   | Final        | Original |                 |          |                    |         |          |                   |          |        | Final   | Original   |          |                     |          |          |          |          |          |          |   |
| 🖫  | Ĕ        | 8                 |          |                | ļ  |          |          |              |                         |        |   | 证            | ij       |                 |          |                    |         |          | 1 1               |          | !!!!!! | ίĽ      | Ö          |          |                     |          |          | ١        |          |          | - 1      |   |
| L  |          | _                 | L        | _              |  | L        |          |              | Ц                       |        |   |              |          | Щ               | _        | _                  | _       | ╄        | $\sqcup$          | _        | _      |         |            |          |                     | 4        | _        | _        |          | $\dashv$ | $\dashv$ |   |
|  | 1        | 1                 | _        | ▙              |  | _        |          |              | $\sqcup$                | _      |   |              | 51       | $\square$       | $\dashv$ | _                  | _       | ╄        |                   |          | 4      |         | 101        |          | _                   | $\dashv$ | _        |          |          | +        | -        |   |
|  | 2        | Ш                 | L        |                |  |          |          |              | $\sqcup$                |        |   |              | 52       | Н               |          |                    | +       | ╄        | $\vdash$          | -        | -      |         | 102        |          | $\dashv$            | -+       |          |          | $\dashv$ | -        | $\dashv$ | _ |
|  | 3        | Н                 | ⊢        | _              | H  | _        | <u> </u> |              | Н                       | _      |   | <u> </u>     | 53       | $\vdash$        | $\dashv$ |                    | +       | ╀        | ╁┷╂               |          | -      |         | 103        | -        | $\dashv$            | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$ |   |
| <u> </u>   | 5        | H                 | ⊢        | ⊢              | ⊢  |          | H        | _            | $\vdash$                | _      |   |              | 54<br>55 | -               |          | +                  | +       | +-       | ╁                 | +        | -      |         | 104<br>105 |          | +                   | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | -+       | _ |
|  | 6        | H                 |          | -              | -  | -        | $\vdash$ |              | Н                       | _      |   |              | 56       | $\vdash$        |          | +                  | +       | ╁╌       | $\vdash$          | -        | -      |         | 106        |          | -+                  | $\dashv$ |          | -        | -        | $\dashv$ | $\dashv$ | - |
|  | 7        | ╫                 | ⊢        | $\vdash$       | -  | $\vdash$ |          | _            | Н                       |        |   | <u> </u>     | 57       | Н               | ᅥ        | $\dashv$           | +       | ╁        | $\vdash$          | _        | -      |         | 107        | -        | $\dashv$            | $\dashv$ | $\dashv$ |          | -        | -+       | $\dashv$ | - |
|  | 8        | Н                 | ┢        | -              | $\vdash$   |          | $\vdash$ |              | $\vdash$                | _      |   |              | 58       | $\vdash$        |          | $\dashv$           | +-      | ╁        | H                 | +        | -      |         | 108        |          | -                   | -1       | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | _ |
|  | 9        | Н-                | ┢╌       | $\vdash$       | ┢┈   | -        | $\vdash$ |              | H                       | -      |   |              | 59       | Н               | _        |                    | +       | ✝        | 1-1               | $\neg$   | 1      |         | 109        |          | T t                 | $\dashv$ | 7        | 7        | $\dashv$ | $\dashv$ | 寸        | _ |
|  | 10       | Н                 |          | -              | $\vdash$   |          | H        |              | Н                       | _      |   |              | 60       | Н               |          | $\dashv$           | +       | ╁╴       | H                 | $\neg$   | 7      |         | 110        |          | T                   | $\dashv$ |          |          | $\dashv$ | 十        | $\neg$   | _ |
|  | 11       | $\dagger \dagger$ | T        | t              |  | H        | 1        |              | H                       | $\neg$ |   |              | 61       | $\vdash$        | $\dashv$ | 7                  | +       | T        | Ħ                 |          | 7      |         | 111        |          | $\neg$              | 7        | $\dashv$ | $\dashv$ | $\dashv$ | $\top$   | $\dashv$ | _ |
|  | 12       | H                 |          | 1              | П  |          | П        | $\vdash$     | H                       |        |   |              | 62       | П               | $\neg$   | 十                  | $\top$  | $\top$   | $\dagger \dagger$ | $\top$   | 7      |         | 112        |          |                     | $\dashv$ |          | 一        |          | $\dashv$ | $\dashv$ | _ |
|  | 13       | $\sqcap$          | Г        | Т              | П  |          |          |              | П                       |        |   |              | 63       | П               | 寸        | 丁                  |         | Т        |                   |          |        |         | 113        |          |                     |          |          |          |          | $\Box$   | $\Box$   | _ |
|  | 14       | $\Box$            |          |                |  |          |          |              |                         |        |   |              | 64       |                 |          |                    |         | L        |                   |          |        |         | 114        |          |                     |          |          |          |          | $\Box$   |          |   |
|  | 15       |                   |          |                |  |          |          |              |                         |        |   |              | 65       |                 |          | I                  |         |          |                   | $\Box$   |        |         | 115        | ·        |                     |          |          |          |          | $\Box$   | $\Box$   |   |
|  | 16       | $\prod$           |          |                |  |          |          |              |                         |        |   |              | 66       |                 |          |                    |         |          | $\Box$            |          | _      |         | 116        |          | $\Box$              |          |          |          |          | $\Box$   | $\Box$   |   |
|  | 17       | Ц                 |          |                |  |          |          |              |                         |        |   |              | 67       |                 |          |                    |         | Ĺ        |                   |          | _      |         | 117        |          | $\Box$              |          | $\Box$   |          |          | _        | $\bot$   |   |
|  | 18       | Ц                 |          |                |  | <u> </u> |          |              | Ш                       |        |   |              | 68       | Ш               |          |                    | $\perp$ | _        | $\sqcup$          |          | _      |         | 118        |          | $\Box$              | _        |          | _        | _        | _        | _        |   |
|  | 19       | Ц                 | _        |                | L  |          |          |              |                         |        |   |              | 69       | Ш               |          |                    |         | <u> </u> | ┷                 |          | _      |         | 119        |          |                     | _        | _        | _        | _        | _        | _        |   |
|  | 20       | Ц                 | <u> </u> | _              | L  |          |          |              | Ц                       |        |   |              | 70       |                 | _        |                    | _       | ↓        | $\sqcup$          |          | _      |         | 120        |          | $\sqcup$            | 4        | _        | _        | _        | _        | $\dashv$ | _ |
|  | 21       | V                 |          | <u> </u>       | ㄴ  | _        |          |              | Ш                       |        |   |              | 71       |                 | _        | _                  |         | -        | 11                | _        | 4      |         | 121        |          | 1                   | 4        | _        | _        | _        | -        | -        | _ |
| ļ  | 22       | ٧                 | _        | _              | <u> </u>   |          |          | _            | Н                       |        |   |              | 72       |                 | _        |                    | -       | -        | $\vdash$          |          | 4      |         | 122        |          | $\dashv$            | 4        | $\dashv$ |          | $\dashv$ | -        | $\dashv$ |   |
| ļ  | 23       | _                 | _        | ├              | ⊢  | -        |          |              | Ш                       |        |   |              | 73       | $\vdash$        | $\dashv$ | $\dashv$           | +       | +        | ╁╌╂               |          | 4      |         | 123        |          | $\dashv$            | 4        |          | $\dashv$ | -        | +        | $\dashv$ | _ |
| <u> </u>   | 24       | <u> </u>          | ├-       | <u> </u>       | ┢  |          | _        | -            | $\vdash$                |        |   |              | 74       | H               | -        | -                  | +       | +        | +                 |          | -      |         | 124        |          | $\vdash$            | $\dashv$ | -        |          |          | $\dashv$ | $\dashv$ | - |
| ├  | 25       | <u> </u>          | ⊢        | ├              | ⊢  | -        |          | H            | Н                       | -      |   |              | 75<br>76 | Н               |          |                    | ╬       | +        | ╁                 | +        | -      |         | 125<br>126 | =        | $\dashv$            | -        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ |   |
| <del> </del>                                     | 26<br>27 | H                 | ⊢        | ╁              | $\vdash$   | H        | -        | H            | $\vdash$                | _      |   | <del></del>  | 77       | Н               | $\dashv$ | $\dashv$           | +       | +        | ╁┯╁               | -        | -      |         | 127        |          | -                   | $\dashv$ | $\dashv$ | ┥        |          | $\dashv$ | $\dashv$ |   |
|  | 28       |                   | ╁        | <del> </del>   | ┢  |          |          |              | $\vdash$                |        |   |              | 78       | Н               |          | +                  | ╁       | ╁        | ++                |          | -      |         | 128        | Н        | $\vdash$            | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _ |
| <del> </del>                                     | 29       | -                 |          | -              | $\vdash$   |          |          | H            | $\vdash$                | _      |   |              | 79       | Н               | $\dashv$ | -                  | +       | ╁        | 1 1               | $\dashv$ | -      |         | 129        | Н        | $\vdash$            | $\dashv$ | -        | $\dashv$ | 十        | $\dashv$ | $\dashv$ | _ |
| <del> </del>                                     | 30       | -                 | H        | ┢              |  |          |          |              | H                       |        |   |              | 80       | Н               | ᅥ        | $\dashv$           | +       | +        | H                 | +        | -      |         | 130        | Н        | $\vdash$            | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _ |
| _  | 31       |                   | $\vdash$ |                | $\vdash$   | $\vdash$ | 1        | _            | Н                       | _      |   |              | 81       |                 | _        | $\dashv$           | +       | t        |                   | _        | 1      |         | 131        |          | T                   | 一        | 一        | $\dashv$ | 寸        | 十        | ヿ        | _ |
|  | 32       | $\vdash$          | $\vdash$ | T              | T  | t        | П        | $\vdash$     | $\vdash$                | _      |   |              | 82       | H               | ᅥ        | $\top$             | 1       | T        | $\Box$            | _        | 1      |         | 132        |          | $\Box$              | 1        | $\dashv$ | $\neg$   | $\neg$   | 十        | 一        | _ |
|  | 33       | -                 | T        |                |  |          |          | П            | $\Box$                  |        |   |              | 83       | П               | $\neg$   | $\top$             | 1       | Τ        | $\sqcap$          |          | 7      |         | 133        | П        | $\sqcap$            | 1        | $\dashv$ |          | 寸        | $\dashv$ | 寸        | _ |
|  | 34       |                   |          |                |  |          |          |              |                         |        |   |              | 84       |                 |          |                    |         |          |                   |          | ]      |         | 134        |          |                     |          |          |          | 1        | 丁        | $\Box$   |   |
|  | 35       |                   |          |                |  |          |          |              |                         |        |   |              | 85       |                 |          |                    |         |          |                   |          | ]      |         | 135        |          |                     | J        |          |          |          | $\Box$   | $\Box$   |   |
|  | 36       |                   |          |                |  |          |          |              | Ш                       |        |   |              | 86       |                 |          | $oldsymbol{\perp}$ |         |          |                   |          | _      |         | 136        |          |                     |          |          |          |          | $\prod$  | $\Box$   |   |
|  | 37       |                   |          |                | $\Box$   |          |          | $\Box$       | Ш                       |        |   |              | 87       | Ш               |          |                    |         |          | LI                | $\Box$   | _      |         | 137        |          | Ш                   | $\Box$   |          |          |          | $\Box$   | $\bot$   |   |
|  | 38       | L                 | Ĺ        | $oxed{\Box}$   |  | L.       | Ш        | $oxed{oxed}$ | Ш                       |        |   |              | 88       | Ш               |          | $\perp$            | $\perp$ | 1        | $\sqcup$          | $\perp$  | 4      |         | 138        | Ш        | Ш                   | _        |          |          |          | $\dashv$ |          |   |
|  | 39       | L                 | _        | ┞-             | <u> </u>   | <u> </u> |          | <u> </u>     | Ш                       |        |   | L            | 89       | Ш               | _        | $\perp$            | $\bot$  | 1        | $\sqcup$          | _ _      | 4      |         | 139        | Ш        | $\sqcup \downarrow$ | _        |          | _        |          | $\dashv$ | _        |   |
| <u> </u>   | 40       | L                 | _        | $\vdash$       | _  | L        |          | ┞.           | Н                       |        |   | L            | 90       |                 | $\dashv$ | $\perp$            | $\perp$ | 1        | $\sqcup$          | _        | 4      |         | 140        | Ш        |                     | _        | _        | _        |          | $\dashv$ | 4        |   |
|  | 41       | <u> </u>          | L        | $\vdash$       | ⊢  | ⊢        | $\vdash$ | _            | $\mid \rightarrow \mid$ | _      |   | <u> </u>     | 91       |                 |          |                    | -       | ┼        | $\vdash$          |          | 4      |         | 141        |          | $\sqcup$            | 4        | _        |          |          | $\dashv$ |          |   |
| <u> </u>   | 42       | $\vdash$          | L        | ⊢              | -  | <b> </b> | <u> </u> | <u> </u>     | $\vdash \vdash$         | _      |   |              | 92       | Н               | -4       | +                  | +       | +        | $\vdash$          | $\dashv$ | -      |         | 142        | Щ        | $\dashv$            | -        |          |          |          | $\dashv$ | 4        | _ |
| <u> </u>   | 43       | -                 | $\vdash$ | ⊢              | $\vdash$   | $\vdash$ | $\vdash$ | -            | $\vdash$                |        |   | $\vdash$     | 93       | $\vdash \vdash$ | -        | -+                 | +-      | +        | ╁┈┼               | +        | - :::: |         | 143        | Н        | $\vdash$            | $\dashv$ |          |          | -        | -        | $\dashv$ |   |
|  | 44<br>45 | $\vdash$          | $\vdash$ | +-             | -  | -        | $\vdash$ | $\vdash$     | $\vdash \vdash$         | -      |   | <u> </u>     | 94<br>95 | $\vdash$        | -        |                    | +-      | ╁        | +                 |          | -      |         | 144<br>145 | $\vdash$ | $\dashv$            | +        | _        | $\dashv$ |          | $\dashv$ | $\dashv$ |   |
| <del> </del>                                     | 46       | ┝                 | -        | $\vdash$       | $\vdash$   | -        | $\vdash$ | $\vdash$     | $\vdash \vdash$         | -      |   | $\vdash$     | 96       | $\vdash$        | $\dashv$ | -+                 | +-      | ╁        | +-+               | +        | - :::: |         | 146        | Н        | $\vdash$            | $\dashv$ | -        | $\dashv$ |          | $\dashv$ | -        |   |
| <del>                                     </del> | 47       | $\vdash$          | $\vdash$ | $\vdash$       |  | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash \vdash$         | -      |   | $\vdash$     | 97       | Н               | $\dashv$ | $\dashv$           | +-      | +        | +-+               | $\dashv$ | -      |         | 147        |          | $\vdash$            | $\dashv$ | -        | $\dashv$ |          | $\dashv$ | -        | _ |
|  | 48       | ┝                 | $\vdash$ | $\vdash$       | $\vdash$   | $\vdash$ | Н        | $\vdash$     | Н                       |        |   |              | 98       | $\vdash$        | $\dashv$ | +                  | +       | +        | $\vdash$          | $\dashv$ | 1      |         | 148        | Н        | $\vdash$            | +        | -        |          | 10       | $\dashv$ | $\dashv$ | _ |
| <del> </del>                                     | 49       | ┢                 | -        | <del>  -</del> | <del>                                     </del> | t        |          |              | $\vdash$                | ᅥ      |   | <del> </del> | 99       | Н               |          | $\dashv$           | +       | +        | $\vdash$          | $\dashv$ | 1      | <b></b> | 149        | H        | $\dashv$            | ┪        |          | $\dashv$ | $\dashv$ | 十        | $\dashv$ |   |
|  | 50       | H                 |          | 1              |  | 1        |          |              | $\vdash$                | $\neg$ |   |              | 100      | Н               | $\dashv$ | +                  | +       | †        | 1 1               | $\dashv$ | 1      | _       | 150        | Н        | $\sqcap$            | $\dashv$ | $\neg$   | $\neg$   | _        | $\dashv$ | $\dashv$ | _ |
| L  | 1 30     | Щ                 | Щ        | Щ              |  | Щ.       |          |              | Щ.                      | _      | : |              | 100      | ш               | _        | L                  | _1_     |          | 41                |          |        |         | 100        | لـــا    |                     |          |          |          |          |          | _        |   |